

AMENDMENTS TO THE SPECIFICATION:

Please amend the indicated paragraphs of the specification in accordance with the amendments indicated below.

Page 1: 1st full paragraph, amend as indicated below:

The invention relates to a Faraday rotator for a Faraday isolator ~~in accordance with the preamble to the main claim,~~ namely such a Faraday isolator with an input polarizer, with an output polarizer, with a roller-shaped optical crystal that is arranged therebetween symmetrical to its axis of symmetry, with a right hollow cylinder that surrounds this and is made of a permanent magnetic material that is axially magnetized and the magnetic field of which extends in the hollow space approximately parallel to the axis of symmetry that runs in only one direction from the north pole to the south pole, and with terminal magnets, attached to each of the two end faces in the plane perpendicular to the y- and z-directions of the axis of symmetry, that are embodied as hollow vertical cylinders and have a through-aperture in the extension of the axis of symmetry.

Page 2: 2nd full paragraph, bridging pages 2 and 3, amend as

indicated below:

Such a generic Faraday isolator ~~in accordance with the preamble~~ is known in and of itself. The roller-shaped magneto-optical crystal is surrounded by a right hollow cylinder with a circular cross-section and made of permanent magnetic material that is polarized magnetically in the axial direction. One terminal magnet, in the form of a right hollow cylinder with a circular cross-section, can be connected on either side to the two end surfaces of this hollow cylinder, which are both magnetized parallel to the axis of symmetry of the magneto-optical crystal, that is, also in the axial direction, like the hollow cylinder surrounding the crystal. In addition, the two terminal magnets are magnetized axially in the same direction to one another and with reference to the hollow cylinder opposite the hollow cylinder as central magnet.

Page 3: 2nd full paragraph, amend as indicated below:

The object of the invention is therefore to embody more compactly a generic Faraday isolator ~~in accordance with the preamble to the main claim~~ with good homogeneity of the magnetic field strengths.

Page 3: 3rd full paragraph, amend as indicated below:

This object is inventively attained in a generic Faraday isolator ~~in accordance with the preamble to the main claim by its characterizing features~~ in that each terminal magnet is largely radially magnetized with regard to the axis of symmetry at least by region, in that the one of the two terminal magnets is magnetized radially from interior to exterior and the other terminal magnet is magnetized radially from exterior to interior, and in that the hollow cylinder at its north pole is adjacent to the terminal magnet that is magnetized from interior to exterior and at its south pole is adjacent to the terminal magnet that is magnetized from exterior to interior.

Page 9: 1st full paragraph, amend as indicated below:

The arrangement and polarization of the terminal magnets to the axially magnetized cylinder 11 ~~[[is]]~~ are essential.

Page 9: 2nd full paragraph, amend as indicated below:

As is illustrated in Figures 6 and 7, each part 19 and 20 of the terminal magnets 16 or 17 is magnetized somewhat radially. In addition, the one terminal magnet 17 is then magnetized from interior to exterior (that is, with the south pole S in the outer-most partial cover region), while the other terminal magnet 16 is

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polarized from exterior to interior, that is, with the north pole in the exterior partial cover region, as depicted schematically in Figures 2 and 3.